

A MEMORY DEVICE WITH A THERMALLY ASSISTED WRITEAbstract of the Disclosure

A memory device including an array of magnetic storage cells is disclosed. Each magnetic storage cell in the array includes a set of conductors used to write data to a storage cell and a second set of conductors used to heat the magnetic storage cell and read data from the magnetic storage cell. The magnetic storage cells can be used in electronic systems such as a computer system or consumer electronic system.